

## CLAIMS

What is claimed is:

1. A musical toothbrush assembly comprising:

a) a toothbrush-head assembly comprising:

- a. a first end and a second end wherein said second end includes at least one electrical contact;
- b. a plurality of bristles positioned on said first end;
- c. a pressure sensing plate coupled to said plurality of bristles for generating optical signal when receiving pressure from said plurality of bristles;
- d. means for converting optical signals to electrical signals coupled to said pressure sensing plate;

b) a toothbrush handle comprising:

- a. a front end and a back end wherein said front end is adapted to receive said second end of said toothbrush-head assembly and includes at least one electrical contact for receiving said electrical signal, and wherein said back end includes a plurality of electrical contacts;
- b. a programmable controller having an input port and an output port, said input port is adapted to receive said electrical signal from said means for converting optical signal to electrical signal and said output port provides an output signal when said electrical signal from said

output port is within a pre programmed range of  
electrical signal;

c. a music source electrically coupled to said output port  
of said programmable controller for providing music  
when receiving said output signals from said  
programmable controller; and

b) a battery recharging cradle including a toothbrush handle cavity  
containing a plurality of charger contacts at the bottom of said  
numerous charger contacts are adapted to electrically couple  
with said back end of said toothbrush handle.

2. A toothbrush assembly as described in Claim 1 wherein plastic  
molding makes said toothbrush handle.

3. A toothbrush assembly as described in Claim 2 wherein said  
toothbrush handle is a hollowed body adapted to receive at least one speaker to  
provide audio output signal.

4. A toothbrush assembly as described in Claim 2 wherein said  
toothbrush handle is a hollowed body adapted to receive at least one battery to  
provide electrical power.

5. A toothbrush assembly as described in Claim 2 wherein said  
toothbrush handle is a hollowed body adapted to receive at least one music chip.

6. A toothbrush assembly as described in Claim 2 wherein said toothbrush handle is molded to resemble at least one pet animal.

7. A toothbrush assembly as described in Claim 2 wherein said toothbrush handle is a hollowed body adapted to receive at least one tooth- paste cartridge.

8. A toothbrush assembly as described in Claim 2 wherein said toothbrush handle is a hollowed body adapted to receive at least one music chip.

9. A toothbrush assembly as described in Claim 2 wherein said toothbrush handle is molded to resemble an animal.

10. A method for developing tooth brushing habits in children comprising the steps of:

a. applying pressure on a handle of a musical toothbrush while a plurality of bristles coupled to a toothbrush head of said musical toothbrush touch user's teeth;

b. in response to step a, said pressure automatically transfers to a pressure sensitive plate coupled to said plurality of bristles causing an optical signal;

c. responsive to said optical signal a converter generating an electrical signal;

d. programming a programmable controller for transmitting said electrical signal to a music source when said electrical signal is within a range set by the user; and

e. said electrical signal causing said music source positioned in said toothbrush handle to provide music for said user.

5 11. A method for developing tooth-brushing habits in children as described in Claim 11 wherein said music source provides music when said pressure applied to said handle of said musical toothbrush is within a pre-determined range.

10 12. A method for developing tooth-brushing habits in children as described in Claim 11 wherein said range is determined by American Dental Association.

13. A method for developing tooth-brushing habits in children as described in Claim 13 wherein said electrical signal is not transmitted to said music source when said pressure is not within said range.